



February 15, 2021

BY ELECTRONIC DELIVERY DEPAirQualityPermitting@wv.gov

Received February 15, 2021 WV DEP/Div of Air Quality

Laura M. Crowder Director, Division of Air Quality WVDEP 601 57th Street, SE Charleston, WV 25304

RE: Eastern Gas Transmission and Storage, Inc. – Title V Renewal Application

Camden Compressor Station – R30-04100010

Dear Ms. Crowder:

The renewal application for the Title V permit for Eastern Gas Transmission and Storage, Inc.'s Camden Compressor Station is attached. In accordance with WVDEP instructions on your website, only this electronic submittal will be made unless otherwise instructed.

If you need any additional information, please contact Andy Gates at (804) 389-1340 or andy.gates@dominionenergy.com².

Sincerely,

Richard B. Gangle

Director Environmental Services

Attachment: Camden Station Title V Renewal Application Package

¹ As of November 1, 2020, Dominion Energy sold certain companies including Dominion Energy Transmission, Inc. to Berkshire Hathaway Energy Gas Transmission and Storage (BHE GT&S) Company. Dominion Energy Transmission, Inc. has changed its name to Eastern Gas Transmission and Storage, Inc.

² Please note that during a transition period, employees of the BHE GT&S unit will continue to utilize a Dominion Energy email address; however, BHE GT&S is not affiliated with Dominion Energy in any way. Any inferences with respect to the BHE GT&S use of a Dominion Energy email address should be disregarded, as the sender is no longer affiliated with Dominion Energy.

CAMDEN COMPRESSOR STATION EASTERN GAS TRANSMISSION AND STORAGE, INC. APPLICATION FOR TITLE V OPERATING PERMIT RENEWAL TITLE V OPERATING PERMIT NO: R30-04100010-2016

Eastern Gas Transmission and Storage, Inc.

Camden Compressor Station Route 2 Camden, WV 26338

FEBRUARY 2021

EASTERN GAS TRANSMISSION AND STORAGE, INC. CAMDEN COMPRESSOR STATION

TITLE V PERMIT RENEWAL APPLICATION

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**Note: There are no Attachments F or H for this permit application.

SECTION 1

Introduction

INTRODUCTION:

Camden Station is a natural gas compressor station used to compress natural gas for Eastern Gas Transmission and Storage, Inc.'s transmission pipeline system in West Virginia. Camden Station is located in Camden, WV.

Camden Station has the potential to emit in excess of 100 tons per year of nitrogen oxides (NOx) and 100 tons per year of volatile organic compounds (VOCs). The station is classified as a major stationary source under the West Virginia Department of Environmental Protection (WVDEP) Regulation (45 CSR Part 30) and is subject to the Title V Operating Permit provisions of Part 30. Camden Station is also an area source of hazardous air pollutants (HAPs) since the potential to emit is less than 10 tons per year for individual HAPs and less than 25 tons per year of combined HAPs.

Camden Station was originally issued a Title V Operating Permit (Permit No: R30-04100010-2006) that has been subsequently renewed as required. Camden Station is also subject to the underlying State Operating Permit (Rule 13 Permit No: R13-2792) and General Permit (Permit No: G60-C014). The Title V operating permit is for the operation of five (5) 660 hp natural gas fired reciprocating engines (EN01 – EN05), one (1) glycol dehydrator system (DEHY01) with flare (F1), one (1) dehydration unit reboiler (RBR01), one (1) 475 hp emergency generator (EG01), and eight (8) above ground storage tanks of various sizes (TK01 – TK04 and TK06 - TK09).

The last Title V renewal application was submitted in 2015, with the Title V Operating Permit Renewal being issued on August 16, 2016, with an expiration date of August 16, 2021.

PROCESS DESCRIPTION

Camden Station is a compressor facility that services a natural gas pipeline system. The compressor engines (EN01 – EN05) at the facility receive natural gas flowing through a valve on the pipeline and recompresses that natural gas in order to further transport the natural gas through the pipeline system. Prior to exiting the facility through the pipeline, the compressed natural gas is processed by the dehydration unit (DEHY01). The dehydration unit removes moisture and impurities from the gas stream. Emergency backup power is supplied by emergency generator (EG01).

The dehydration process begins with the compressed natural gas entering the unit and then being passed through a triethylene glycol dehydration system consisting of a contactor bed, a reboiler (RBR01), and associated equipment. As a result of this process, the natural gas is stripped of moisture and impurities, along with a small amount of hydrocarbons. The wet gas enters the contactor where moisture and some hydrocarbons are absorbed into the lean glycol. The glycol, which has become rich with absorbed moisture and hydrocarbons, is regenerated in the still column (DEHY01) using the heat generated from the natural gas-fired reboiler (RBR01) to liberate the moisture and hydrocarbon vapors. The regenerator vapors are vented to the flare (F1) to combust the hydrocarbons; thereby, reducing overall emissions and odor. The flare is permitted with a destruction efficiency of 95%. The compressed, dehydrated gas then enters the pipeline.

Listed below is a description of the equipment located at the Camden Station:

Five (5) 660 hp Cooper GMXE-8 natural gas-fired reciprocating engines/integral compressors

- Emission unit ID: EN01, EN02, EN03, EN04, and EN05
- Emission point ID: EN01, EN02, EN03, EN04, and EN05

One (1) 475 hp Cummins GTA 19 GS2 emergency generator

Emission unit ID: EG01Emission point ID: EG01

One (1) 1.0 MMBtu/hr NATCO natural gas-fired dehydration unit reboiler

Emission unit ID: RBR01Emission point ID: RBR01

One (1) 27.6 MMscf/day dehydration unit/still column

Emission unit ID: DEHY01Emission point ID: DEHY01

One (1) 10 MMBtu/hr dehydration unit controlled flare

Emission unit ID: F1Emission point ID: F1

One (1) 2,730-gallon vertical aboveground triethylene glycol storage tank

Emission unit ID: TK01Emission point ID: TK01

One (1) 2,730-gallon vertical aboveground used oil storage tank

Emission unit ID: TK02Emission point ID: TK02

One (1) 4,200-gallon vertical aboveground ethylene glycol storage tank

Emission unit ID: TK03Emission point ID: TK03

One (1) 2,100-gallon vertical aboveground ethylene glycol storage tank

Emission unit ID: TK04Emission point ID: TK04

One (1) 2,730-gallon vertical aboveground wastewater storage tank

Emission unit ID: TK06Emission point ID: TK06

One (1) 7,000-gallon horizontal aboveground lube oil storage tank

Emission unit ID: TK07Emission point ID: TK07

One (1) 8,000-gallon horizontal aboveground process fluids storage tank

Emission unit ID: TK08Emission point ID: TK08

One (1) 550-gallon horizontal aboveground wastewater storage tank

Emission unit ID: TK09Emission point ID: TK09

SECTION 2

Title V Renewal Permit Application - General Forms



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE Charleston, WV 25304 Phone: (304) 926-0475

Received February 15, 2021 WV DEP/Div of Air Quality

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section	1.	Conora	1 In	form	ation
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over an and any or manners		
 Name of Applicant (As registered with the WV Secretary of State's Office): Eastern Gas Transmission and Storage, Inc. 	2. Facility Name or Location: Camden Station	
(formerly Dominion Energy Transmission, Inc.)		
3. DAQ Plant ID No.:	4. Federal Employer ID No. (FEIN):	
•		
0 4 1 — 0 0 0 1 0	5 5 0 6 2 9 2 0 3	
5. Permit Application Type:		
☐ Initial Permit When did on	perations commence? 1972	
Permit Renewal What is the	expiration date of the existing permit? 08/16/2021	
Update to Initial/Renewal Permit Application		
6. Type of Business Entity:	7. Is the Applicant the:	
☐ Corporation ☐ Governmental Agency ☐ LLC ☐ Partnership ☐ Limited Partnership	Owner Operator Both	
8. Number of onsite employees:	If the Applicant is not both the owner and operator, please provide the name and address of the other	
Normally unmanned	party.	
		
9. Governmental Code:	C	
_	County government owned and operated; 3 Municipality government owned and operated; 4	
	District government owned and operated, 4	
state government owned and operated, 2	District government owned and operated, 5	
10. Business Confidentiality Claims Does this application include confidential informatio	n (per 45CSR31)? Yes No	
If yes, identify each segment of information on each page that is submitted as confidential, and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's "PRECAUTIONARY NOTICE-CLAIMS OF CONFIDENTIALITY" guidance.		

11. Mailing Address					
Street or P.O. Box: 925 White Oaks Blvd.					
City: Bridgeport	State: WV		Zip: 26330		
Telephone Number: (681) 842-3000	Fax Number: (681) 842-3323				
12. Facility Location					
Street: Route 2	City: Camden			County: Lewis	
UTM Easting: 534.84 km	UTM Northin	ig: 4,323.27	km	Zone: ⊠ 17 or □ 18	
Directions: From Interstate 79 North, take the Weston exit. Turn left on Route 33 West through Weston. Turn left onto Smith Run Road and travel 1.5 miles. Turn left onto gravel road and proceed 0.3 miles to station on the left.					
Portable Source? Yes No					
Is facility located within a nonattainment area? Yes No If yes, for what air pollutants?			If yes, for what air pollutants?		
Is facility located within 50 miles of another state?			If yes, name the affected state(s).		

Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.

Is facility located within 100 km of a Class I Area¹? Xes No

If no, do emissions impact a Class I Area¹?

Yes No

Pennsylvania

If yes, name the area(s).Dolly Sobs Wilderness Area

Otter Creek Wilderness Area

Ohio

13. Contact Information				
Responsible Official: John M. Lamb	Title: Vice President, Pipeline Operations			
Street or P.O. Box: 925 White Oaks Blvd.				
City: Bridgeport	State: WV	Zip: 26330		
Telephone Number: (681) 842-3000	Fax Number: (681) 842-3323			
E-mail address: john.m.lamb@dominionenerg	gy.com			
Environmental Contact: Andy Gates		Title: Environmental Consultant		
Street or P.O. Box: 6603 W. Broad St.				
City: Richmond	State: VA	Zip: 23230		
Telephone Number: (804) 389-1340	Fax Number: NA			
E-mail address: andy.gates@dominionenergy.com				
Application Preparer: Andy Gates		Title: Environmental Consultant		
Company: Eastern Gas Transmission and Storage, Inc.				
Street or P.O. Box: 6603 W. Broad St.				
City: Richmond	State: VA	Zip: 23230		
Telephone Number: (804) 389-1340	Telephone Number: (804) 389-1340 Fax Number: NA			
E-mail address: andy.gates@dominionenergy.com				

14. Facility Descript

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Natural Gas Compressor Station	N/A	486120	4922

Provide a general description of operations.

Camden Station is a compressor facility that services a natural gas pipeline system. The compressor engines (EN01-EN05) at the facility receive natural gas flowing through a valve on the pipeline and recompresses the natural gas in order to further transport the natural gas through the pipeline system. Prior to exiting the facility through the pipeline, the compressed natural gas is processed by the dehydration unit (DEHY01). The dehydration unit removes moisture and impurities from the gas stream.

- 15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.
- 16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to "Plot Plan Guidelines."
- Provide a detailed Process Flow Diagram(s) showing each process or emissions unit as ATTACHMENT
 Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

Section 2: Applicable Requirements

18. Applicable Requirements Summary			
Instructions: Mark all applicable requirements.			
⊠ SIP	□FIP		
Minor source NSR (45CSR13)	☐ PSD (45CSR14)		
□ NESHAP (45CSR34)	Nonattainment NSR (45CSR19)		
Section 111 NSPS	Section 112(d) MACT standards		
Section 112(g) Case-by-case MACT	☐ 112(r) RMP		
Section 112(i) Early reduction of HAP	Consumer/commercial prod. reqts., section 183(e)		
Section 129 Standards/Reqts.	Stratospheric ozone (Title VI)		
Tank vessel reqt., section 183(f)	Emissions cap 45CSR§30-2.6.1		
NAAQS, increments or visibility (temp. sources)	45CSR27 State enforceable only rule		
□ 45CSR4 State enforceable only rule	Acid Rain (Title IV, 45CSR33)		
☐ Emissions Trading and Banking (45CSR28)	Compliance Assurance Monitoring (40CFR64)		
CAIR NO _x Annual Trading Program (45CSR39)	CAIR NO _x Ozone Season Trading Program (45CSR40)		
CAIR SO ₂ Trading Program (45CSR41)			
19. Non Applicability Determinations			
List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies. 40 CFR Subpart JJJJ – The compressor engines (EN01 – EN05) are not subject to this subpart since they were installed in 1962 and 1964, before the applicability date. 40 CFR 60 Subpart OOOO – This subpart does not apply to the facility since the facility is a gathering facility that does not have tanks, gas wells, centrifugal compressors, reciprocating compressors, and/or pneumatic controllers constructed, modified, or reconstructed after August 23, 2011. 40 CFR 60, Subpart OOOOa – This facility has no equipment with applicable requirements under Subpart OOOOa. This subpart applies to equipment installed after September 18, 2015. The facility has no affected emissions units that have been installed after the applicable Subpart OOOOa effective date. 40 CFR 63 Subpart HHH – This subpart does not apply to the facility since the facility is not a transmission or storage station and is not a major source of HAPs. 40 CFR 63 Subpart DDDDD – The reboiler (RBR01) is not subject to this subpart since it is exempt by §63.7491(h) and facility is not major source of HAPs. 40 CFR 63 Subpart JJJJJJ – The reboiler (RBR01) is not applicable to this subpart since it is considered a "process heater," which is excluded from the definition of "boiler".			
Permit Shield			

20. Facility-Wide Applicable Requirements		
List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).		
45 CSR 6-3.1 – Open burning prohibited (TV 3.1.1) 45 CSR 6-3.2 – Open burning exemption (TV 3.1.2) 40 CFR Part 61 and 45 CSR 34 – Asbestos inspection and removal (TV 3.1.3) State Only: 45 CSR 4-3.1 – No objectionable odors (TV 3.1.4) 45 CSR 11-5.2 – Standby plans for emergency episodes (TV 3.1.5) WV Code 22-5-4 (a) (14) – Annual emission inventory reporting (TV 3.1.6) 40 CFR Part 82 Subpart F – Ozone depleting substances (TV 3.1.7) 40 CFR Part 68 – Risk Management Plan (TV 3.1.8) State Only: 45 CSR 17-3.1 – Fugitive particulate matter (TV 3.1.9) 45 CSR 13 – Minor source of HAP (TV 3.1.10; R13-2792 4.1.2)		
Permit Shield		
For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 45 CSR 6-3.1 – The permittee shall prohibit open burning (TV 3.1.1) 45 CSR 6-3.2 – The permittee shall notify if open burning occurs (TV 3.1.2) 40 CFR Part 61 and 45 CSR 34 – Prior to demolition/construction buildings will be inspected for asbestos (TV 3.1.3) 45 CSR 4 – Permittee shall maintain records of all odor complaints received (TV 3.1.4) 45 CSR 11 – Upon request by the Secretary, the permittee shall prepare a standby plan (TV 3.1.5) WV 22-5-4 – The permittee shall submit annual emission inventory reports (TV 3.1.6) 40 CFR Part 82 Subpart F – The permittee will prohibit maintenance, service, or repair of appliances containing Ozone depleting substances (TV 3.1.7) 40 CFR Part 68 – Should the permittee become subject to 40 CFR Part 68, a RMP shall be submitted (TV 3.1.8) 45 CSR 17 – The permittee will limit fugitive emissions from the facility by burning only pipeline quality natural gas (TV 3.1.9) 45 CSR 13 – The permittee shall maintain minor source of HAP status (TV 3.1.10; R13-2792 4.1.2) 45 CSR 13 and WV Code 22-5-4 (a) (15) – Testing requirements (TV 3.3.1)		
45 CSR 30 – Recordicephing Requirements (TV 3.4) 45 CSR 30 – Reporting Requirements (TV 3.5) 45 CSR 30 - The permittee shall submit a certified emissions statement and pay fees annually (TV 3.5.4) 45 CSR 30 - The permittee shall submit semi-annual monitoring reports (TV 3.5.6)		
Are you in compliance with all facility-wide applicable requirements?		
If no, complete the Schedule of Compliance Form as ATTACHMENT F .		

21. Active Permits/Consent Orders			
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit (if any)	
R13-2792	03/04/2009	N/A	
G60-C014	12/04/2009	N/A	

22. Inactive Permits/Obsolete Permit Conditions			
Permit Number	Date of Issuance	Permit Condition Number	
N/A			

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]		
Criteria Pollutants	Potential Emissions	
Carbon Monoxide (CO)	98.09	
Nitrogen Oxides (NO _X)	647.08	
Lead (Pb)	N/A	
Particulate Matter (PM _{2.5}) ¹	4.56	
Particulate Matter (PM ₁₀) ¹	4.56	
Total Particulate Matter (TSP)	5.77	
Sulfur Dioxide (SO ₂)	0.07	
Volatile Organic Compounds (VOC)	212.65	
Hazardous Air Pollutants ²	Potential Emissions	
Acetaldehyde	0.92	
Acrolein	0.92	
Benzene	0.75	
Ethylbenzene	0.32	
Formaldehyde	6.55	
Hexane	0.39	
Toluene	1.02	
Xylene	1.59	
Regulated Pollutants other than Criteria and HAP	Potential Emissions	

 $^{^{1}}PM_{2.5}$ and PM_{10} are components of TSP.

Potentials-to-emit are based on currently operating equipment and permit limits as applicable and include fugitive VOC (including blowdowns).

 $^{^2}$ For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.

Section 4: Insignificant Activities

24.	Insign	ificant Activities (Check all that apply)
	1.	Air compressors and pneumatically operated equipment, including hand tools.
	2.	Air contaminant detectors or recorders, combustion controllers or shutoffs.
	3.	Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
\boxtimes	4.	Bathroom/toilet vent emissions.
\boxtimes	5.	Batteries and battery charging stations, except at battery manufacturing plants.
	6.	Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
	7.	Blacksmith forges.
\boxtimes	8.	Boiler water treatment operations, not including cooling towers.
	9.	Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
	10.	CO ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
	11.	Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
	12.	Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
	13.	Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
	14.	Demineralized water tanks and demineralizer vents.
	15.	Drop hammers or hydraulic presses for forging or metalworking.
	16.	Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
	17.	Emergency (backup) electrical generators at residential locations.
	18.	Emergency road flares.
	19.	Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO _x , SO ₂ , VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.
		Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:

24.	4. Insignificant Activities (Check all that apply)				
	20.	Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27.			
		Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:			
		<u></u>			
Щ	21.	Environmental chambers not using hazardous air pollutant (HAP) gases.			
\boxtimes	22.	Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.			
	23.	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.			
	24.	Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.			
	25.	Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.			
\boxtimes	26.	Fire suppression systems.			
	27.	Firefighting equipment and the equipment used to train firefighters.			
	28.	Flares used solely to indicate danger to the public.			
\boxtimes	29.	Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.			
	30.	Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.			
\boxtimes	31.	Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.			
	32.	Humidity chambers.			
	33.	Hydraulic and hydrostatic testing equipment.			
	34.	Indoor or outdoor kerosene heaters.			
\boxtimes	35.	Internal combustion engines used for landscaping purposes.			
	36.	Laser trimmers using dust collection to prevent fugitive emissions.			
	37.	Laundry activities, except for dry-cleaning and steam boilers.			
	38.	Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.			
	39.	Oxygen scavenging (de-aeration) of water.			
	40.	Ozone generators.			

24.	. Insignificant Activities (Check all that apply)			
	41.	Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)		
	42.	Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.		
	43.	Process water filtration systems and demineralizers.		
\boxtimes	44.	Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.		
	45.	Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.		
	46.	Routing calibration and maintenance of laboratory equipment or other analytical instruments.		
	47.	Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.		
	48.	Shock chambers.		
	49.	Solar simulators.		
	50.	Space heaters operating by direct heat transfer.		
	51.	Steam cleaning operations.		
	52.	Steam leaks.		
	53.	Steam sterilizers.		
	54.	Steam vents and safety relief valves.		
	55.	Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.		
	56.	Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.		
	57.	Such other sources or activities as the Director may determine.		
	58.	Tobacco smoking rooms and areas.		
	59.	Vents from continuous emissions monitors and other analyzers.		

25. Equipment Table

Fill out the **Title V Equipment Table** and provide it as **ATTACHMENT D**.

26. Emission Units

For each emission unit listed in the **Title V Equipment Table**, fill out and provide an **Emission Unit Form** as **ATTACHMENT E**.

For each emission unit not in compliance with an applicable requirement, fill out a **Schedule of Compliance** Form as ATTACHMENT F.

27. Control Devices

For each control device listed in the **Title V Equipment Table**, fill out and provide an **Air Pollution Control Device Form** as **ATTACHMENT G**.

For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the **Compliance Assurance Monitoring (CAM) Form(s)** for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as **ATTACHMENT H**.

28. Certification of Truth, Accuracy and Completeness and Certification of Compliance						
Not	te: This Certification must be signed by a responsible official. The original , signed in blue ink , must be submitted with the application. Applications without an original signed certification will be considered as incomplete.					
a. (Certification of Truth, Accuracy and Completeness					
I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.						
b. (Compliance Certification					
Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.						
Res	esponsible official (type or print)					
Name: John M. Lamb Title: Vice President, Pipeline Operations						
Responsible official's signature: Signature: (Must be signed and dated in blue juk) Signature Date: 2/11/2021						
		Received February 15, 2021				
Not	ote: Please check all applicable attachments included with this permit application:	WV DEP/Div of Air Quality				
	ATTACHMENT A: Area Map					
	ATTACHMENT B: Plot Plan(s)					
	ATTACHMENT C: Process Flow Diagram(s)					
\boxtimes	ATTACHMENT D: Equipment Table					
	ATTACHMENT E: Emission Unit Form(s)					
	ATTACHMENT F: Schedule of Compliance Form(s)					
\boxtimes	ATTACHMENT G: Air Pollution Control Device Form(s)					
	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)					

All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/dag, requested by phone (304) 926-0475, and/or obtained through the mail.

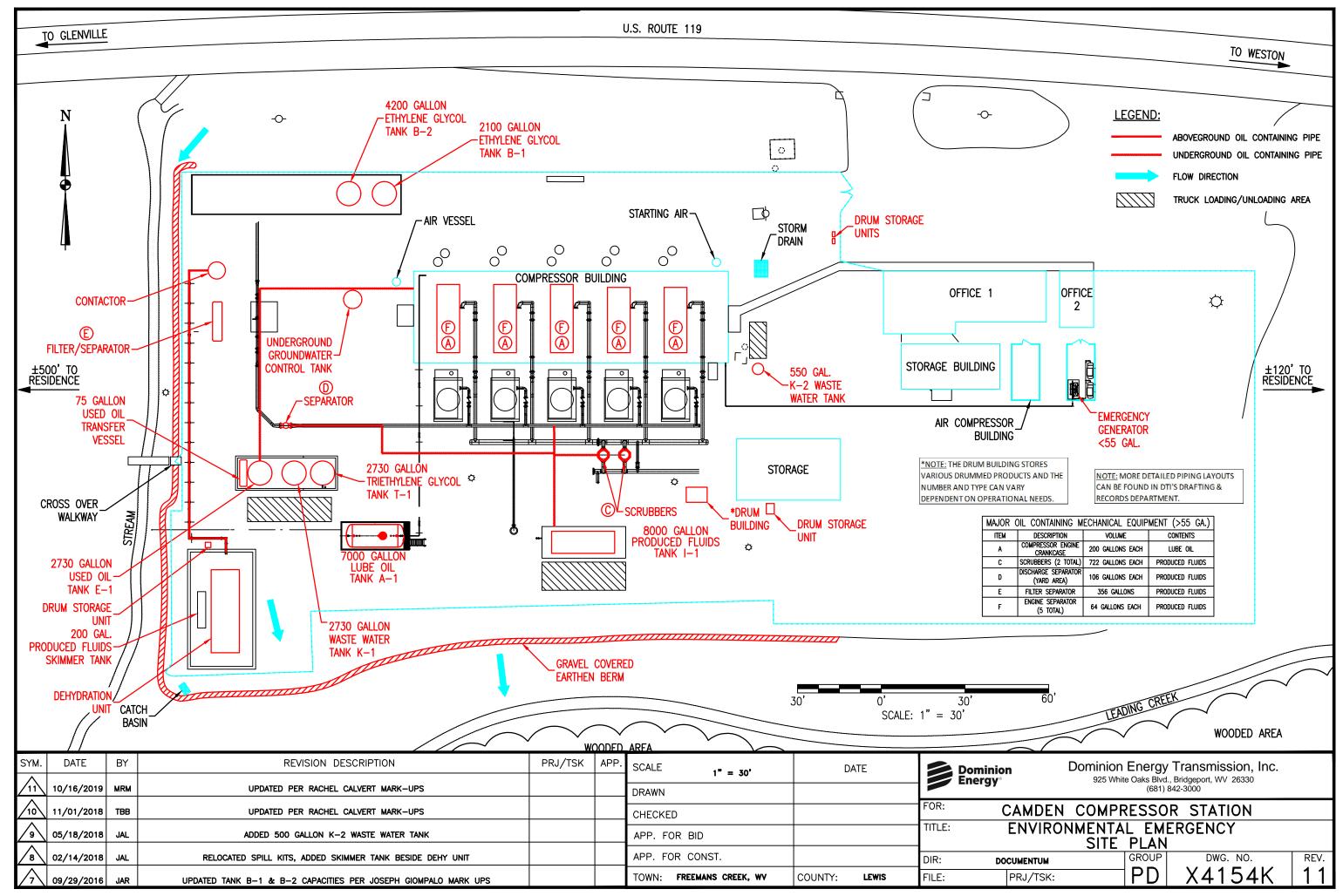
Attachment A

Area Map



Attachment B

Plot Plan

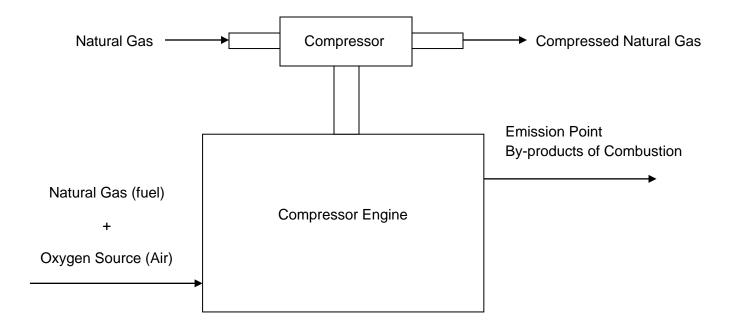


Attachment C

Process Flow Diagrams

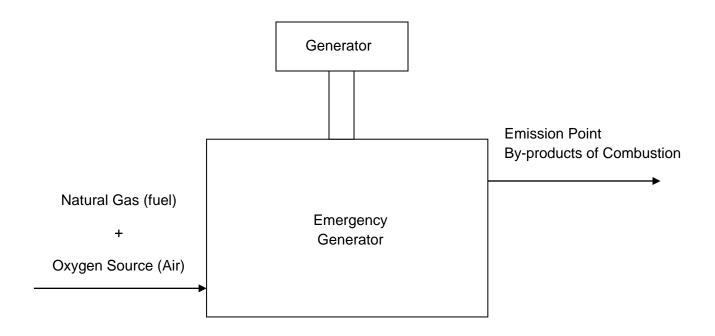
Eastern Gas Transmission and Storage, Inc. Camden Compressor Station

Compressor Engines (EN01 – EN05) Process Flow Diagram



Eastern Gas Transmission and Storage, Inc. Camden Compressor Station

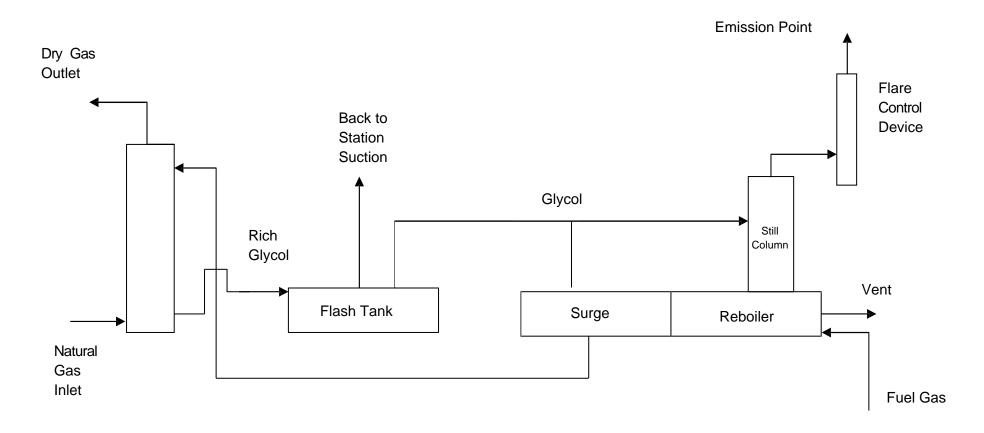
Emergency Generator (EG01) Process Flow Diagram



Eastern Gas Transmission and Storage, Inc.

Camden Compressor Station

Dehydration Unit (F1, DEHY01, and RBR01) Process Flow Diagram



Attachment D

Title V Equipment Table

ATTACHMENT D - Title V Equipment Table

(includes all emission units at the facility except those designated as insignificant activities in Section 4, Item 24 of the General Forms)

	,		in the second of the second of the second of	911118)	
Emission Point ID ¹	Control Device ¹	Emission Unit ID ¹	Emission Unit Description	Design Capacity	Year Installed/ Modified
EN01	N/A	EN01	Reciprocating Engine/Integral Compressor; Cooper GMXE-8; 2SLB SI engine	660 hp	1962
EN02	N/A	EN02	Reciprocating Engine/Integral Compressor; Cooper GMXE-8; 2SLB SI engine	660 hp	1962
EN03	N/A	EN03	Reciprocating Engine/Integral Compressor; Cooper GMXE-8; 2SLB SI engine	660 hp	1964
EN04	N/A	EN04	Reciprocating Engine/Integral Compressor; Cooper GMXE-8; 2SLB SI engine	660 hp	1964
EN05	N/A	EN05	Reciprocating Engine/Integral Compressor; Cooper GMXE-8; 2SLB SI engine	660 hp	1964
RBR01	F1	RBR01	Glycol Dehydration Unit Reboiler	1.0 MMBtu/hr	2009
DEHY01	F1	DEHY01	Glycol Dehydration Unit Still Column	27.6 MMscf/day	2009
F1	N/A	F1	Glycol Dehydration Unit Flare	10 MMBtu/hr	2009
EG01	1C	EG01	Emergency Generator – Cummins GTA 19 G2	475 hp	2009
TK01	N/A	TK01	Vertical Aboveground Storage Tank – Triethylene Glycol	2,730 gallon	1991
TK02	N/A	TK02	Vertical Aboveground Storage Tank – Used Oil	2,730 gallon	1991
TK03	N/A	TK03	Vertical Aboveground Storage Tank – Ethylene Glycol	4,200 gallon	1991
TK04	N/A	TK04	Vertical Aboveground Storage Tank – Ethylene Glycol	2,100 gallon	1962
TK06	N/A	TK06	Vertical Aboveground Storage Tank –Wastewater	2,730 gallon	1962
TK07	N/A	TK07	Horizontal Aboveground Storage Tank –Lube Oil	7,000 gallon	2003
TK08	N/A	TK08	Horizontal Aboveground Storage Tank – Produced Fluids	8,000 gallon	2011
New units (u	pdates) to eq	uipment list:			
TK09	N/A	TK09	Aboveground Storage Tank K2 – Wastewater	550 gallon	2018

¹For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.

	Title V Equipment Table (equipment_table.doc)
	Page 1 of 1
Page1 of1	Revised 4/11/05

Attachment E

Emission Unit Forms

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EN01	Emission unit name: EN01	List any control devices associated with this emission unit:		
	Reciprocating Engine/Integral Compressor	N/A		
Provide a description of the emission	n unit (type, method of operation, de	esign parameters, etc	.):	
Natural gas-fired reciprocating engine	/integral compressor			
Manufacturer: CooperModel number: GMXE-8Serial number: 45641				
Construction date:	Installation date: 1962	Modification date(s): N/A		
Design Capacity (examples: furnace 660 hp	s - tons/hr, tanks - gallons):			
Maximum Hourly Throughput: 0.0054 MMscf/hr	Maximum Annual Throughput: 47.3 MMscf/yr	Maximum Operating Schedule: 8,760 hrs/yr		
Fuel Usage Data (fill out all applical	ole fields)			
Does this emission unit combust fue	1? _XYes No	If yes, is it?		
		Indirect Fired _XDirect Fired		
Maximum design heat input and/or 660 hp	maximum horsepower rating:	Type and Btu/hr rating of burners: 8,200 Btu/hp-hr 0.0054 MMscf/hr		
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Pipeline quality natural gas - Maximum hourly fuel usage = 0.0054 MMscf/hr - Maximum annual fuel usage = 47.3 MMscf/yr				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Pipeline quality natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	4.37	19.12
Nitrogen Oxides (NO _X)	29.49	129.18
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	0.21	0.91
Particulate Matter (PM ₁₀)	0.21	0.91
Total Particulate Matter (TSP)	0.26	1.14
Sulfur Dioxide (SO ₂)	< 0.01	0.014
Volatile Organic Compounds (VOC)	3.30	14.47
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	0.042	0.184
Acrolein	0.042	0.184
Benzene	0.01	0.05
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.30	1.31
Hexane	< 0.01	0.011
Toluene	0.01	0.023
Xylene	< 0.01	0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

- CO, NOx, and VOC emission rates based on emission statement submittals to WVDEP.
- PM10, PM2.5, SO₂, and HAP emission factors from AP-42 Section 3.2, Table 3.2-1.

Applicable Requirements				
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.				
40 CFR Part 63 Subpart ZZZZ – NESHAP maintenance requirements (TV 7.1.1 and 7.1.3) 40 CFR Part 63 Subpart ZZZZ – NESHAP general requirements/provisions (TV 7.1.2 and 7.1.4) 40 CFR Part 63 Subpart ZZZZ – NESHAP monitoring requirements (TV 7.2.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP recordkeeping requirements (TV 7.4.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP reporting requirements (TV 7.5)				
X Permit Shield				
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)				
40 CFR Part 63 Subpart ZZZZ – Change oil and filter, inspect spark plugs, and inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first (TV 7.1.1) 40 CFR Part 63 Subpart ZZZZ – Operate and maintain the RICE according to the manufacturer's instructions OR develop and follow your own maintenance plan (TV 7.1.4) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable general requirements/provisions (TV 7.1.3 and 7.1.5) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable monitoring, recordkeeping, and reporting requirements (TV 7.2.1, 7.4.1, and 7.5)				
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo				
If no, complete the Schedule of Compliance Form as ATTACHMENT F.				

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number:	Emission unit name: EN02	List any control dev		
LIVOZ	Reciprocating Engine/Integral Compressor	N/A		
Provide a description of the emission	n unit (type, method of operation, de	esign parameters, etc.	.):	
Natural gas-fired reciprocating engine.	/integral compressor			
Manufacturer:Model number:Serial number:CooperGMXE-845642				
Construction date: Installation date: 1962		Modification date(s): N/A		
Design Capacity (examples: furnace 660 hp	s - tons/hr, tanks - gallons):			
Maximum Hourly Throughput: 0.0054 MMscf/hr	Maximum Annual Throughput: 47.3 MMscf/yr	Maximum Operating Schedule: 8,760 hrs/yr		
Fuel Usage Data (fill out all applical	ole fields)			
Does this emission unit combust fuel	1? _XYes No	If yes, is it?		
		Indirect Fired	_XDirect Fired	
Maximum design heat input and/or 660 hp	Type and Btu/hr rating of burners: 8,200 Btu/hp-hr 0.0054 MMscf/hr			
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.				
Pipeline quality natural gas - Maximum hourly fuel usage = 0.0054 MMscf/hr - Maximum annual fuel usage = 47.3 MMscf/yr				
Describe each fuel expected to be used during the term of the permit.				
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Pipeline quality natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	4.37	19.12
Nitrogen Oxides (NO _X)	29.49	129.18
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	< 0.01
Particulate Matter (PM ₁₀)	0.05	0.24
Total Particulate Matter (TSP)	0.11	0.47
Sulfur Dioxide (SO ₂)	< 0.01	0.014
Volatile Organic Compounds (VOC)	3.30	14.47
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	0.042	0.184
Acrolein	0.042	0.184
Benzene	0.11	0.46
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.30	1.31
Hexane	< 0.01	0.011
Toluene	0.01	0.023
Xylene	< 0.01	0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

- CO, NOx, and VOC emission rates based on emission statement submittals to WVDEP.
- PM10, PM2.5, SO₂, and HAP emission factors from AP-42 Section 3.2, Table 3.2-1.

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
40 CFR Part 63 Subpart ZZZZ – NESHAP maintenance requirements (TV 7.1.1 and 7.1.3) 40 CFR Part 63 Subpart ZZZZ – NESHAP general requirements/provisions (TV 7.1.2 and 7.1.4) 40 CFR Part 63 Subpart ZZZZ – NESHAP monitoring requirements (TV 7.2.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP recordkeeping requirements (TV 7.4.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP reporting requirements (TV 7.5)
X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
40 CFR Part 63 Subpart ZZZZ – Change oil and filter, inspect spark plugs, and inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first (TV 7.1.1) 40 CFR Part 63 Subpart ZZZZ – Operate and maintain the RICE according to the manufacturer's instructions OR develop and follow your own maintenance plan (TV 7.1.4) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable general requirements/provisions (TV 7.1.3 and 7.1.5) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable monitoring, recordkeeping, and reporting requirements (TV 7.2.1, 7.4.1, and 7.5)
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EN03	Emission unit name: EN03	List any control dewith this emission u		
	Reciprocating Engine/Integral Compressor	N/A		
Provide a description of the emission	n unit (type, method of operation, d	esign parameters, etc	.):	
Natural gas-fired reciprocating engine	/integral compressor			
Manufacturer: Cooper	Model number: GMXE-8	Serial number: 45997		
Construction date:	Installation date: 1964	Modification date(s): N/A		
Design Capacity (examples: furnace 660 hp	s - tons/hr, tanks - gallons):			
Maximum Hourly Throughput: 0.0054 MMscf/hr	Maximum Annual Throughput: 47.3 MMscf/yr	Maximum Operating Schedule: 8,760 hrs/yr		
Fuel Usage Data (fill out all applical	ole fields)			
Does this emission unit combust fue	1? _XYes No	If yes, is it?		
		Indirect Fired	_XDirect Fired	
Maximum design heat input and/or maximum horsepower rating: 660 hp Type and Btu/hr rating of burners 8,200 Btu/hp-hr 0.0054 MMscf/hr			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu). For each fuel type	listed, provide	
Pipeline quality natural gas - Maximum hourly fuel usage - Maximum annual fuel usage				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Pipeline quality natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	4.37	19.12
Nitrogen Oxides (NO _X)	29.49	129.18
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	< 0.01
Particulate Matter (PM ₁₀)	0.05	0.24
Total Particulate Matter (TSP)	0.11	0.47
Sulfur Dioxide (SO ₂)	< 0.01	0.014
Volatile Organic Compounds (VOC)	3.30	14.47
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	0.042	0.184
Acrolein	0.042	0.184
Benzene	0.11	0.46
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.30	1.31
Hexane	< 0.01	0.011
Toluene	0.01	0.023
Xylene	< 0.01	0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

- CO, NOx, and VOC emission rates based on emission statement submittals to WVDEP.
- PM10, PM2.5, SO₂, and HAP emission factors from AP-42 Section 3.2, Table 3.2-1.

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
40 CFR Part 63 Subpart ZZZZ – NESHAP maintenance requirements (TV 7.1.1 and 7.1.3) 40 CFR Part 63 Subpart ZZZZ – NESHAP general requirements/provisions (TV 7.1.2 and 7.1.4) 40 CFR Part 63 Subpart ZZZZ – NESHAP monitoring requirements (TV 7.2.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP recordkeeping requirements (TV 7.4.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP reporting requirements (TV 7.5)
X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
40 CFR Part 63 Subpart ZZZZ – Change oil and filter, inspect spark plugs, and inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first (TV 7.1.1) 40 CFR Part 63 Subpart ZZZZ – Operate and maintain the RICE according to the manufacturer's instructions OR develop and follow your own maintenance plan (TV 7.1.4) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable general requirements/provisions (TV 7.1.3 and 7.1.5) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable monitoring, recordkeeping, and reporting requirements (TV 7.2.1, 7.4.1, and 7.5)
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EN04	Emission unit name: EN04	List any control dewith this emission u		
	Reciprocating Engine/Integral Compressor	N/A		
Provide a description of the emission	n unit (type, method of operation, d	esign parameters, etc	.):	
Natural gas-fired reciprocating engine	/integral compressor			
Manufacturer: Cooper	Model number: GMXE-8	Serial number: 45999		
Construction date:	Installation date: 1964	Modification date(s): N/A		
Design Capacity (examples: furnace 660 hp	s - tons/hr, tanks - gallons):			
Maximum Hourly Throughput: 0.0054 MMscf/hr	Maximum Annual Throughput: 47.3 MMscf/yr	Maximum Operating Schedule: 8,760 hrs/yr		
Fuel Usage Data (fill out all applical	ole fields)			
Does this emission unit combust fue	1? _XYes No	If yes, is it?		
		Indirect Fired	_XDirect Fired	
Maximum design heat input and/or maximum horsepower rating: 660 hp 8,200 Btu/hp-hr 0.0054 MMscf/hr			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fu). For each fuel type	listed, provide	
Pipeline quality natural gas - Maximum hourly fuel usage - Maximum annual fuel usage				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Pipeline quality natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	4.37	19.12
Nitrogen Oxides (NO _X)	29.49	129.18
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	< 0.01
Particulate Matter (PM ₁₀)	0.05	0.24
Total Particulate Matter (TSP)	0.11	0.47
Sulfur Dioxide (SO ₂)	< 0.01	0.014
Volatile Organic Compounds (VOC)	3.30	14.47
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	0.042	0.184
Acrolein	0.042	0.184
Benzene	0.11	0.46
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.30	1.31
Hexane	< 0.01	0.011
Toluene	0.01	0.023
Xylene	< 0.01	0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

- CO, NOx, and VOC emission rates based on emission statement submittals to WVDEP.
- PM10, PM2.5, SO₂, and HAP emission factors from AP-42 Section 3.2, Table 3.2-1.

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
40 CFR Part 63 Subpart ZZZZ – NESHAP maintenance requirements (TV 7.1.1 and 7.1.3) 40 CFR Part 63 Subpart ZZZZ – NESHAP general requirements/provisions (TV 7.1.2 and 7.1.4) 40 CFR Part 63 Subpart ZZZZ – NESHAP monitoring requirements (TV 7.2.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP recordkeeping requirements (TV 7.4.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP reporting requirements (TV 7.5)
X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
40 CFR Part 63 Subpart ZZZZ – Change oil and filter, inspect spark plugs, and inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first (TV 7.1.1) 40 CFR Part 63 Subpart ZZZZ – Operate and maintain the RICE according to the manufacturer's instructions OR develop and follow your own maintenance plan (TV 7.1.4) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable general requirements/provisions (TV 7.1.3 and 7.1.5) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable monitoring, recordkeeping, and reporting requirements (TV 7.2.1, 7.4.1, and 7.5)
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form				
Emission Unit Description				
Emission unit ID number: EN05	Emission unit name: EN05	List any control dewith this emission u		
	Reciprocating Engine/Integral Compressor	N/A		
Provide a description of the emission	n unit (type, method of operation, d	esign parameters, etc	.):	
Natural gas-fired reciprocating engine.	/integral compressor			
Manufacturer: Cooper	Model number: GMXE-8	Serial number: 45998		
Construction date:	Installation date: 1964	Modification date(s): N/A		
Design Capacity (examples: furnace 660 hp	s - tons/hr, tanks - gallons):			
Maximum Hourly Throughput: 0.0054 MMscf/hr	Maximum Annual Throughput: 47.3 MMscf/yr	Maximum Operating Schedule: 8,760 hrs/yr		
Fuel Usage Data (fill out all applicat	ole fields)			
Does this emission unit combust fuel	1? _XYes No	If yes, is it?		
		Indirect Fired	_XDirect Fired	
Maximum design heat input and/or maximum horsepower rating: 660 hp Type and Btu/hr rating of burners 8,200 Btu/hp-hr 0.0054 MMscf/hr			ting of burners:	
List the primary fuel type(s) and if a the maximum hourly and annual fue). For each fuel type	listed, provide	
Pipeline quality natural gas - Maximum hourly fuel usage - Maximum annual fuel usage				
Describe each fuel expected to be us	ed during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value	
Pipeline quality natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf	

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	4.37	19.12
Nitrogen Oxides (NO _X)	29.49	129.18
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	< 0.01
Particulate Matter (PM ₁₀)	0.05	0.24
Total Particulate Matter (TSP)	0.11	0.47
Sulfur Dioxide (SO ₂)	< 0.01	0.014
Volatile Organic Compounds (VOC)	3.30	14.47
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Acetaldehyde	0.042	0.184
Acrolein	0.042	0.184
Benzene	0.11	0.46
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.30	1.31
Hexane	< 0.01	0.011
Toluene	0.01	0.023
Xylene	< 0.01	0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

- CO, NOx, and VOC emission rates based on emission statement submittals to WVDEP.
- PM10, PM2.5, SO₂, and HAP emission factors from AP-42 Section 3.2, Table 3.2-1.

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
40 CFR Part 63 Subpart ZZZZ – NESHAP maintenance requirements (TV 7.1.1 and 7.1.3) 40 CFR Part 63 Subpart ZZZZ – NESHAP general requirements/provisions (TV 7.1.2 and 7.1.4) 40 CFR Part 63 Subpart ZZZZ – NESHAP monitoring requirements (TV 7.2.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP recordkeeping requirements (TV 7.4.1) 40 CFR Part 63 Subpart ZZZZ – NESHAP reporting requirements (TV 7.5)
X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
40 CFR Part 63 Subpart ZZZZ – Change oil and filter, inspect spark plugs, and inspect all hoses and belts every 4,320 hours of operation or annually, whichever comes first (TV 7.1.1) 40 CFR Part 63 Subpart ZZZZ – Operate and maintain the RICE according to the manufacturer's instructions OR develop and follow your own maintenance plan (TV 7.1.4) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable general requirements/provisions (TV 7.1.3 and 7.1.5) 40 CFR Part 63 Subpart ZZZZ – Comply with all applicable monitoring, recordkeeping, and reporting requirements (TV 7.2.1, 7.4.1, and 7.5)
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: RBR01	Emission unit name: RBR01 Dehydration Unit Reboiler	List any control devices associated with this emission unit:	
Provide a description of the emission		osian novemetors etc).
A natural gas fired boiler used to rehea	-	esign parameters, etc.);
Manufacturer: NATCO	Model number: 450/750	Serial number: ED080284	
Construction date: 2009	Installation date: 2009	Modification date(s): N/A	
Design Capacity (examples: furnace 1.0 MMBtu/hr	s - tons/hr, tanks - gallons):		
Maximum Hourly Throughput: 1000 cf/hr	Maximum Annual Throughput: 8.76 MMcf/yr	Maximum Operating Schedule: 8760 hrs/yr	
Fuel Usage Data (fill out all applicate	ole fields)		
Does this emission unit combust fuel	? _XYes No	If yes, is it?	
		Indirect Fired _	X_Direct Fired
Maximum design heat input and/or 1.0 MMBtu/hr	Maximum design heat input and/or maximum horsepower rating: 1.0 MMBtu/hr Type and Btu/hr rating of burne		ting of burners:
List the primary fuel type(s) and if a the maximum hourly and annual fue). For each fuel type	listed, provide
Natural gas - Maximum hourly fuel usage = - Maximum annual fuel usage =			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	0.08	0.37
Nitrogen Oxides (NO _X)	0.10	0.44
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	0.01
Particulate Matter (PM ₁₀)	< 0.01	0.01
Total Particulate Matter (TSP)	< 0.01	0.03
Sulfur Dioxide (SO ₂)	< 0.01	<0.01
Volatile Organic Compounds (VOC)	0.01	0.02
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
Benzene	< 0.01	<0.01
Ethylbenzene	< 0.01	<0.01
n-Hexane	< 0.01	0.01
Toluene	< 0.01	<0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY

- NOx and CO emission factors from AP-42, Section 1.4, Natural Gas Combustion, Table 1.4-1, 7/98
- PM, PM10, PM2.5, SO2, and VOC emission factors from AP-42, Section 1.4, Natural Gas Combustion, Table 1.4-2, 7/98
- HAP emission factors from AP-42, Section 1.4, Natural Gas Combustion, Tables 1.4-3, 4, 7/98

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included. 45 CSR 13 – Visible Emission Limits (TV 4.1.1, 45 CSR 2-3.1)
_X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.) 45 CSR 2-3.1 – Compliance with 4.1.1 is demonstrated by combusting natural gas.
43 CSK 2-3.1 – Compliance with 4.1.1 is demonstrated by comousting natural gas.
Are you in compliance with all applicable requirements for this emission unit? _X_YesNo
If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: DEHY01	Emission unit name: DEHY01 Dehydration Unit	List any control dev with this emission u	
Provide a description of the emission Dehydration unit still column	n unit (type, method of operation, d	esign parameters, etc.	.):
Manufacturer: NATCO	Model number: 450/750	Serial number:	
Construction date: 2009	Installation date: 2009	Modification date(s N/A):
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 27.6 MMscf/day			
Maximum Hourly Throughput: 27.6 MMscf /day	Maximum Annual Throughput: 10,074 MMscf/yr	Maximum Operation 8760 hrs/yr	ng Schedule:
Fuel Usage Data (fill out all applicat	ole fields)		
Does this emission unit combust fuel?Yes _X No If yes, is it?			
		Indirect Fired	Direct Fired
Maximum design heat input and/or maximum horsepower rating:		Type and Btu/hr ra	ting of burners:
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each. Natural gas - Maximum hourly wet gas usage = 27.6 MMscf/day - Maximum annual wet gas usage = 10,074 MMscf/yr			
Describe each fuel expected to be us	ed during the term of the permit.		
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf

Emissions Data		
Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)	0.25	1.08
Nitrogen Oxides (NO _X)	0.05	0.20
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	< 0.01	< 0.01
Particulate Matter (PM ₁₀)	< 0.01	< 0.01
Total Particulate Matter (TSP)	< 0.01	< 0.01
Sulfur Dioxide (SO ₂)	< 0.01	< 0.01
Volatile Organic Compounds (VOC)	4.86	21.28
Hazardous Air Pollutants	Hazardous Air Pollutants Potential Emissions	
	РРН	TPY
Benzene	0.12	0.52
Ethylbenzene	0.07	0.31
n-Hexane	0.08	0.33
Toluene	0.21	0.90
Xylenes	0.36	1.55
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	РРН	TPY

VOC and HAP emission rates for the dehydration unit were obtained from GRI GLYCalc V4.0 with a 95% destruction efficiency

NOx, CO, and VOC emission factors for the flare were obtained from Table 13.5-1 of AP-42

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Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

ATTACHMENT E - Emission Unit Form			
Emission Unit Description			
Emission unit ID number: EG01	Emission unit name: Emergency Generator	List any control de with this emission u 3-way catalyst (NSC	ınit:
Provide a description of the emission unit (type, method of operation, design parameters, etc.): Natural gas-fired emergency auxiliary generator			
Manufacturer: Cummins	Model number: GTA 19 G2	Serial number: 25341415	
Construction date: 2009	Installation date: 2009	Modification date(s	s):
Design Capacity (examples: furnaces - tons/hr, tanks - gallons): 475 hp / 1800 rpm			
Maximum Hourly Throughput: 4,200 cf/hr	Maximum Annual Throughput: 2.10 MMcf/yr	Maximum Operation 500 hrs/yr	ng Schedule:
Fuel Usage Data (fill out all applicate	ble fields)		
Does this emission unit combust fuel? _X_Yes No If yes, is it?			
	Indirect Fired _XDirect F		
Maximum design heat input and/or maximum horsepower rating: 475 hp / 1800 rpm		Type and Btu/hr rating of burners: 4.28 MMBtu/hr	
List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.			
Natural gas - Maximum hourly fuel usage = 4,200 cf/hr - Maximum annual fuel usage = 2.10 MMcf/yr			
Describe each fuel expected to be used during the term of the permit.			
Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural gas	20 gr sulfur/100 cf	N/A	1,000 Btu/cf

Emissions Data		
Criteria Pollutants	Potential Emissions	
	РРН	TPY
Carbon Monoxide (CO)	4.19	1.05
Nitrogen Oxides (NO _X)	2.09	0.52
Lead (Pb)	N/A	N/A
Particulate Matter (PM _{2.5})	0.04	0.01
Particulate Matter (PM ₁₀)	0.04	0.01
Total Particulate Matter (TSP)	0.08	0.02
Sulfur Dioxide (SO ₂)	< 0.01	< 0.01
Volatile Organic Compounds (VOC)	1.05	0.26
Hazardous Air Pollutants	Potential Emissions	
	РРН	TPY
Acetaldehyde	0.01	< 0.01
Acrolein	0.01	< 0.01
Benzene	< 0.01	< 0.01
Ethylbenzene	< 0.01	< 0.01
Formaldehyde	0.09	0.02
Toluene	< 0.01	< 0.01
Xylene	< 0.01	< 0.01
Regulated Pollutants other than	Potential Emissions	
Criteria and HAP	PPH	TPY

- CO, NOx, and VOC emission rates were calculated using manufacturer's technical data sheet.
- All other emission rates were calculated using USEPA's AP-42, Section 3.2, Natural Gas-Fired Reciprocating Engines, 7/00

Applicable Requirements
List all applicable requirements for this emission unit. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.
45 CSR 13 – Emission limits (TV 6.1.1, G60-C014 5.1.2)
40 CFR Part 60 Subpart JJJJ – NSPS emission limits; for the life of the engine (TV 6.1.3 and 6.1.4, G60-C014 8.2.5 and 8.2.9)
40 CFR Part 60 Subpart JJJJ – NSPS emergency definition; limitation on maintenance and readiness testing to 100 hrs/yr (TV 6.1.6, G60-C014 8.4.4)
40 CFR Part 60 Subpart JJJJ – allowance for propane usage (TV 6.1.7, G60-C014 8.4.5) 45 CSR 13 – Operate and maintain according to manufacturer (TV 6.1.8, G60-C014 5.1.1) 45 CSR 13 – Maximum fuel consumption (TV 6.1.9; G60-C014 5.1.3)
45 CSR 13 – The control device shall be fitted with a closed-loop automatic air-fuel ratio controller that must provide a warning or indication to the operator and/or be interlocked with the engine ignition system (TV 6.1.10, G60-C014 5.1.4.a and c)
40 CFR Part 63 Subpart ZZZZ – RICE NESHAP as a new, emergency, spark ignition engine at an area source (40 CFR 63 Subpart ZZZZ)
_X Permit Shield
For all applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)
40 CFR Part 60 Subpart JJJJ – Purchase a certified engine to meet NSPS emission limits (TV 6.1.5, G60-C014 8.4.1) 45 CSR 13 – Regularly inspect, properly maintain and/or replace catalytic reduction devices. Maintain proper operation of the automatic air/fuel ratio controller or automatic feedback controller and follow operating and maintenance recommendations of the catalyst manufacturer (TV 6.2.1, G60-C014 5.2.1)
45 CSR 13 – Record hours of operation and fuel consumption on a monthly basis; keep records for 5 years (TV 6.4.1, G60-C014 5.4.1)
40 CFR Part 60 Subpart JJJJ – Comply with all applicable monitoring, reports, and recordkeeping requirements (TV 6.4.2, G60-C014 8.6.1)
40 CFR Part 60 Subpart JJJJ – Install non-resettable hour meter to demonstrate compliance with 7.1.4 (G60-C014 8.3.8)
40 CFR Part 63 Subpart ZZZZ – Compliance with NSPS Subpart JJJJ shows compliance with NESHAP Subpart ZZZZ

Are you in compliance with all applicable requirements for this emission unit? _X_Yes ____No

If no, complete the Schedule of Compliance Form as ATTACHMENT F.

Attachment G

Air Pollution Control Device Form

ATTACHMENT G - Air Pollution Control Device Form			
Control device ID number: F1	List all emission units associated with this control device. DEHY01, RBR01		
Manufacturer:	Model number:	Installation date:	
NATCO	Q250	2009	
Type of Air Pollution Control Device:			
Baghouse/Fabric Filter	Venturi Scrubber	Multiclone	
Carbon Bed Adsorber	Packed Tower Scrubber	Single Cyclone	
Carbon Drum(s)	Other Wet Scrubber	Cyclone Bank	
Catalytic Incinerator Condenser Settling Chamber			
Thermal IncineratorX_	Flare	Other (describe)	
Wet Plate Electrostatic Precipitator	_	Dry Plate Electrostatic Precipitator	
List the pollutants for which this device is intended to control and the capture and control efficiencies.			
Pollutant	Capture Efficiency	Control Efficiency	
VOC		95%	
Benzene		95%	
Ethylbenzene		95%	
n-Hexane		95%	
Toluene		95%	
Xylene		95%	
Explain the characteristic design parabags, size, temperatures, etc.). NATCO dehydration unit controlled flat 10 MMBtu/hr non-assisted burner		rates, pressure drops, number of	
Is this device subject to the CAM requ	nirements of 40 C.F.R. 64? Ye	es _ <u>X</u> No	
If Yes, Complete ATTACHMENT H			
If No, Provide justification. The dehy Subpart HH, which has provisions for co <i>limitations or standards proposed by the the Act</i> " are exempt from CAM. CAM demonstrated for emission limits if not a	ompliance monitoring established after Administrator after November 15, was established to build in provision	ter 1990. Per 64.2(b)(1)(i), "emission 1990 pursuant to section 111 or 112 of s for how compliance would be	
In addition, for VOC purposes, the dehy unit is not subject to CAM per 64.2(b)(1)(vi), which states "emission limitations or standards for which a part 70 or 71 permit specified a continuous compliance determination method, as defined in 64.1" is exempt from CAM. Since the R13 permit for the facility (R13-2792) specifies a "continuous compliance determination method" condition (e.g. continuously monitoring the flare using a thermocouple to detect the presence of a flame) and that R13 condition was rolled into the Title V permit, CAM does not apply.			

Describe the parameters monitored and/or methods used to indicate performance of this control device.

- 45 CSR 6-4.1 Particulate Matter emission limit (TV 5.1.1)
- 45 CSR 6-4.3 Flare operating requirements (TV 5.1.2, R13-2792 5.1.4)
- 45 CSR 6-4.5 Incinerator operating requirements (TV 5.1.3)
- 45 CSR 6-4.6 Incinerator odor prevention requirements (TV 5.1.4)
- 40 CFR 63.10(b)(3) Facility shall maintain minor source of HAPs by complying with 3.1.10 (TV 5.1.5, R13-2792 5.1.3)
- 45 CSR 10-4.1 Sulfur Dioxide emission limit (TV 5.1.6)
- 45 CSR 10-5.1 Hydrogen Sulfide emission limit (TV 5.1.7)
- 45 CSR 13 Operation and Maintenance of air pollution con troll equipment (TV 5.1.8, R13-2792 4.1.3)
- 45 CSR 13 Flare design evaluation (TV 5.1.11, R13-2792 5.1.5)

Monitoring

- 45 CSR 30-5.1c Compliance with 5.1.2 shall be demonstrated by conducting Monthly Visible Emission Observations (TV 5.2.2, R13-2792 5.3.1)
- 45 CSR 30-5.1.c Compliance with 5.1.6 shall be demonstrated by annual inlet wet gas sampling (TV 5.2.3)
- 45 CSR 30-5.1.c Compliance with 5.1.7 shall be demonstrated by annual inlet wet gas sampling (TV 5.2.4)
- 45 CSR 13 Flare pilot flame monitoring (TV 5.2.5, R13-2792 5.2.1)

Testing

45 CSR 13 - Flare Compliance Assessment shall be conducted if required (TV 5.3.2, R13-2792 5.3.2)

Recordkeeping

- 45 CSR 30-5.1.c Monitoring data shall be maintained to demonstrate compliance with 5.1.2.b, 5.1.2.i, and 5.2.2 (TV 5.4.1)
- 45 CSR 13 Records of Malfunctions of air pollution control equipment shall be maintained (TV 5.4.2, R13-2792 4.1.4)
- 45 CSR 13 Pilot Flame Absence records shall be maintained to demonstrate compliance with 5.1.2.c and 5.2.5 (TV 5.4.3, R13-2792 5.4.1)
- 45 CSR 13 Flare design evaluation records shall be maintained to demonstrate compliance with 5.1.2 and 5.3.2 (TV 5.4.4, R13-2792 5.4.2)
- 45 CSR 13 Testing records for 5.2.1 shall be maintained to demonstrate compliance with 5.1.2 and 5.2.1 (TV 5.4.5, 45 CSR 13, R13-2792, 5.4.3)
- 45 CSR 13 Monitoring records for 5.2 and testing records for 5.3 shall be maintained (TV 5.4.6, R13-2792 5.4.4)
- 45 CSR 13 Visible Emission Test records shall be maintained to demonstrate compliance with 5.1.2.b (TV 5.4.7, R13-2792 5.4.5)
- 45 CSR 13 Records for conditions 5.4.3 through 5.4.10 shall be maintained and made available for inspection (TV 5.4.10, R13-2792 5.4.8)

Reporting

- 45 CSR 30-5.1.c Reporting of Visible Emission Limit Exceedances (TV 5.5.1)
- 45 CSR 13 Reporting of deviations of visible emissions requirement (TV 5.5.3, R13-2792 5.5.2)
- 45 CSR 13 Report deviation from flare design and operation criteria (TV 5.5.4, R13-2792 5.5.3)